WEST Search History

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DATE: Friday, March 03, 2006

Hide?	Set Name	Query	Hit Count
	DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=ADJ		
☐	L14	L13 and Pseudotype	10
☐	L13	L12 and inhibitor	213
☐	L12	L11 and macrophage	242
☐	L11	L10	289
	DB=PGPB,USPT,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ		
☐	L10	L9 and fusion	1245
☐	L9	L2 and Screening	1515
☐	L8	L7 and pseudotype	16
☐	L7	L6 and inhibitor	98
☐	L6	L5 and inhibitor	98
☐	L5	L4 and fusion	114
☐	L4	Macrophage and L1	128
☐	L3	"HIV macraphage tropic"	0
☐	L2	CCR5	2721
☐	L1	"CC CKR5"	137

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 10 of 16 returned.

☐ 1. Document ID: US 20060003319 A1

Using default format because multiple data bases are involved.

L8: Entry 1 of 16 File: PGPB Jan 5, 2006

PGPUB-DOCUMENT-NUMBER: 20060003319
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060003319 A1

TITLE: Compositions and methods for determining resistance to inhibitors of virus entry using recombinant virus assays

PUBLICATION-DATE: January 5, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Petropoulos; Christos J.	Half Moon Bay	CA	US

US-CL-CURRENT: 435/5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Ima

☐ 2. Document ID: US 20050214743 A1

L8: Entry 2 of 16 File: PGPB Sep 29, 2005

PGPUB-DOCUMENT-NUMBER: 20050214743
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050214743 A1

TITLE: Compositions and methods for evaluating viral receptor/co-receptor usage and inhibitors of virus entry using recombinant virus assays

PUBLICATION-DATE: September 29, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Richman, Douglas	La Jolla	CA	US
Wrin, Mary T.	Fremont	CA	US
Little, Susan	San Diego	CA	US
Petropoulos, Christos J.	Half Moon Bay	CA	US
Parkin, Neil T.	Belmont	CA	US
Whitcomb, Jeannette	San Mateo	CA	US
Huang, Wei	Foster City	CA	US

US-CL-CURRENT: 435/5; 435/456

☐ 3. Document ID: US 20040110125 A1

L8: Entry 3 of 16 File: PGPB Jun 10, 2004

PGPUB-DOCUMENT-NUMBER: 20040110125
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040110125 A1

TITLE: Compositions and methods for evaluating viral receptor/co-receptor usage and inhibitors of virus entry using recombinant virus assays

PUBLICATION-DATE: June 10, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Petropoulos, Christos J.	Half Moon Bay	CA	US
Parkin, Neil T.	Belmont	CA	US
Whitcomb, Jeannette	San Mateo	CA	US
Huang, Wei	Foster City	CA	US

US-CL-CURRENT: 435/5; 435/6

☐ 4. Document ID: US 20040086528 A1

L8: Entry 4 of 16 File: PGPB May 6, 2004

PGPUB-DOCUMENT-NUMBER: 20040086528
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040086528 A1

TITLE: Uses of a chemokine receptor for inhibiting HIV-1 infection

PUBLICATION-DATE: May 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Allaway, Graham P.	Mohegan Lake	NY	US
Dragic, Tatjana	Hartsdale	NY	US
Litwin, Virginia M.	Fayetteville	NY	US
Maddon, Paul J.	Elmsford	NY	US
Moore, John P.	New York	NY	US
Trkola, Alexandra	New York	NY	US

US-CL-CURRENT: 424/208.1; 424/130.1, 424/186.1, 424/204.1, 435/6, 435/91.1, 514/12

☐ 5. Document ID: US 20030096221 A1

L8: Entry 5 of 16 File: PGPB May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030096221
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030096221 A1

TITLE: Methods of identifying g-couple receptors associated with macrophage-thophic hiv, and diagnostic and therapeutic uses thereof

PUBLICATION-DATE: May 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Littman, Dan R.	New York	NY	US
Deng, Hongkui	Worcester	MA	US
Ellmeier, Wilfried	New York	NY	US
Landau, Nathaniel R.	New York	NY	US
Liu, Rong	New Yor	NY	US

US-CL-CURRENT: 435/5; 435/325, 435/7.1, 514/12, 800/18

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Ima

☐ 6. Document ID: US 20020182592 A1

L8: Entry 6 of 16 File: PGPB Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020182592
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020182592 A1

TITLE: Compositions and methods for evaluating viral receptor/co-receptor usage and inhibitors of virus entry using recombinant virus assays

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Petropoulos, Christos J.	Half Moon Bay	CA	US
Parkin, Neil T.	Belmont	CA	US
Whitcomb, Jeannette M.	San Mateo	CA	US
Huang, Wei	Foster City	CA	US

US-CL-CURRENT: 435/5; 435/320.1, 435/325, 435/6, 435/7.21, 536/23.72

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Ima

☐ 7. Document ID: US 20020076694 A1

L8: Entry 7 of 16 File: PGPB Jun 20, 2002

PGPUB-DOCUMENT-NUMBER: 20020076694
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020076694 A1

TITLE: G-coupled receptors associated with retroviral entry into cells, and therapeutic uses thereof

PUBLICATION-DATE: June 20, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Littman, Dan R.	New York	NY	US
Deng, Hongkui	Shrewsbury	MA	US
Unutmaz, Derya	Nashville	TN	US
Kewalramani, Vineet N.	Rockford	IL	US

US-CL-CURRENT: 435/5; 424/142.1, 424/207.1, 424/208.1, 435/235.1, 435/239, 435/3, 435/325, 435/363, 435/366, 435/4, 435/6, 435/7.1, 435/7.2, 435/7.21, 435/8, 530/388.15, 536/23.5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Ims

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8. Document ID: US 6696244 B2

L8: Entry 8 of 16 File: USPT Feb 24, 2004

US-PAT-NO: 6696244
DOCUMENT-IDENTIFIER: US 6696244 B2

TITLE: G-coupled receptors associated with retroviral entry into cells, and therapeutic uses thereof

DATE-ISSUED: February 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Littman; Dan R.	New York	NY		
Deng; Hongkui	Shrewsbury	MA		
Unutmaz; Derya	Nashville	TN		
Kewalramani; Vineet N.	Rockford	IL		

US-CL-CURRENT: 435/5; 435/3, 435/4, 435/7.1, 435/7.2, 435/7.21, 435/8

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Ims

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9. Document ID: US 6528308 B1

L8: Entry 9 of 16 File: USPT Mar 4, 2003

US-PAT-NO: 6528308
DOCUMENT-IDENTIFIER: US 6528308 B1

TITLE: Suppressor of HIV replication and transcription

DATE-ISSUED: March 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bolognesi; Dani P.	Durham	NC		
Greenberg; Michael L.	Durham	NC		
Lacey; Simon F.	Azusa	CA		
Tomaras; Georgia D.	Durham	NC		
Weinhold; Kent J.	Durham	NC		

US-CL-CURRENT: 435/372.3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 10. Document ID: US 6344545 B1

L8: Entry 10 of 16 File: USPT Feb 5, 2002

US-PAT-NO: 6344545
DOCUMENT-IDENTIFIER: US 6344545 B1

TITLE: Method for preventing HIV-1 infection of CD4+ cells

DATE-ISSUED: February 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Allaway; Graham P.	Mohegan Lake	NY		
Litwin; Virginia M.	Fayetteville	NY		
Maddon; Paul J.	Elmsford	NY		
Olson; William C.	Ossining	NY		

US-CL-CURRENT: 530/388.22; 424/144.1, 530/388.75, 530/389.6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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Terms	Documents
L7 and pseudotype	16

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Search Results - Record(s) 11 through 16 of 16 returned.

☐ 11. Document ID: US 6258527 B1

Using default format because multiple data bases are involved.

L8: Entry 11 of 16 File: USPT Jul 10, 2001

US-PAT-NO: 6258527
DOCUMENT-IDENTIFIER: US 6258527 B1

TITLE: Methods of identifying g-coupled receptors associated with macrophage-trophic HIV, and diagnostic and therapeutic uses thereof

DATE-ISSUED: July 10, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Littman; Dan R.	New York	NY		
Deng; Hongkui	Worcester	MA		
Ellmeier; Wilfried	New York	NY		
Landau; Nathaniel R.	New York	NY		
Liu; Rong	New York	NY		

US-CL-CURRENT: 435/5; 435/372.3, 435/6, 435/7.2, 435/7.24

Full | Title | Citation | Front | Review | Classification | Date | Reference | [illegible] | Claims | KWIC | Draw Desc | Ima

☐ 12. Document ID: US 6251582 B1

L8: Entry 12 of 16 File: USPT Jun 26, 2001

US-PAT-NO: 6251582
DOCUMENT-IDENTIFIER: US 6251582 B1

TITLE: Alternative G-coupled receptors associated with retroviral entry into cells, methods of identifying the same, and diagnostic and therapeutic uses thereof

DATE-ISSUED: June 26, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Littman; Dan R.	New York	NY		
Deng; Hongkui	Shrewsbury	MA		
Unutmaz; Derya	New York	NY		
Kewalramani; Vineet N.	Rockford	IL		

US-CL-CURRENT: 435/5; 435/3, 435/4, 435/7.1, 435/7.2, 435/7.21, 435/8

☐ 13. Document ID: US 6107019 A

L8: Entry 13 of 16 File: USPT Aug 22, 2000

US-PAT-NO: 6107019
DOCUMENT-IDENTIFIER: US 6107019 A

TITLE: Method for preventing HIV-1 infection of CD4.sup.+ cells

DATE-ISSUED: August 22, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Allaway; Graham P.	Mohegan Lake	NY		
Litwin; Virginia M.	Fayetteville	NY		
Maddon; Paul J.	Elmsford	NY		
Olson; William C.	Ossining	NY		

US-CL-CURRENT: 435/5; 435/7.2, 435/7.21, 435/7.24, 435/7.92, 435/7.93, 436/537, 436/542

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

☐ 14. Document ID: US 6057102 A

L8: Entry 14 of 16 File: USPT May 2, 2000

US-PAT-NO: 6057102
DOCUMENT-IDENTIFIER: US 6057102 A

TITLE: HIV coreceptor mutants

DATE-ISSUED: May 2, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Landau; Nathaniel R.	New York	NY		
Koup; Richard A.	Southlake	TX		
Liu; Rong	New York	NY		
Paxton; William	Amsterdam			NL

US-CL-CURRENT: 435/6; 435/5, 435/91.2, 435/91.21, 436/501, 436/504, 536/23.1, 536/23.5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

☐ 15. Document ID: US 5939538 A

L8: Entry 15 of 16 File: USPT Aug 17, 1999

US-PAT-NO: 5939538

DOCUMENT-IDENTIFIER: US 5939538 A

TITLE: Methods and compositions for inhibiting HIV infection of cells by cleaving HIV co-receptor RNA

DATE-ISSUED: August 17, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Leavitt; Markley C.	La Jolla	CA		
Tritz; Richard	San Diego	CA		
Feng; Yu	San Diego	CA		
Barber; Jack	San Diego	CA		
Yu; Mang	San Diego	CA		

US-CL-CURRENT: 536/23.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 16. Document ID: US 5939320 A

L8: Entry 16 of 16 File: USPT Aug 17, 1999

US-PAT-NO: 5939320
DOCUMENT-IDENTIFIER: US 5939320 A

TITLE: G-coupled receptors associated with macrophage-trophic HIV, and diagnostic and therapeutic uses thereof

DATE-ISSUED: August 17, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Littman; Dan R.	New York	NY		
Deng; Hongkui	New York	NY		
Ellmeier; Wilfried	New York	NY		
Landau; Nathaniel R.	New York	NY		
Liu; Rong	New York	NY		

US-CL-CURRENT: 435/325; 435/320.1, 435/357, 435/366, 435/367, 435/369

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
L7 and pseudotype	16

Hit List

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Search Results - Record(s) 1 through 10 of 10 returned.

☐ 1. Document ID: US 6908734 B2

L14: Entry 1 of 10 File: USPT Jun 21, 2005

US-PAT-NO: 6908734
DOCUMENT-IDENTIFIER: US 6908734 B2

TITLE: Sulfated CCR5 peptides for HIV-1 infection

DATE-ISSUED: June 21, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dragic; Tatjana	Scarsdale	NY		
Olson; William C.	Ossining	NY		

US-CL-CURRENT: 435/5; 424/208.1, 435/325, 435/339.1, 435/69.1, 530/388.35

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

☐ 2. Document ID: US 6696244 B2

L14: Entry 2 of 10 File: USPT Feb 24, 2004

US-PAT-NO: 6696244
DOCUMENT-IDENTIFIER: US 6696244 B2

TITLE: G-coupled receptors associated with retroviral entry into cells, and therapeutic uses thereof

DATE-ISSUED: February 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Littman; Dan R.	New York	NY		
Deng; Hongkui	Shrewsbury	MA		
Unutmaz; Derya	Nashville	TN		
Kewalramani; Vineet N.	Rockford	IL		

US-CL-CURRENT: 435/5; 435/3, 435/4, 435/7.1, 435/7.2, 435/7.21, 435/8

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

☐ 3. Document ID: US 6548636 B2

L14: Entry 3 of 10 File: USPT Apr 15, 2003

US-PAT-NO: 6548636
DOCUMENT-IDENTIFIER: US 6548636 B2

TITLE: Sulfated CCR5 peptides for HIV-1 infection

DATE-ISSUED: April 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dragic; Tatjana	Scarsdale	NY		
Olson; William C.	Ossining	NY		

US-CL-CURRENT: 530/328; 530/324, 530/325, 530/326, 530/327

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw Desc | Ima

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☐ 4. Document ID: US 6528308 B1

L14: Entry 4 of 10 File: USPT Mar 4, 2003

US-PAT-NO: 6528308
DOCUMENT-IDENTIFIER: US 6528308 B1

TITLE: Suppressor of HIV replication and transcription

DATE-ISSUED: March 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bolognesi; Dani P.	Durham	NC		
Greenberg; Michael L.	Durham	NC		
Lacey; Simon F.	Azusa	CA		
Tomaras; Georgia D.	Durham	NC		
Weinhold; Kent J.	Durham	NC		

US-CL-CURRENT: 435/372.3

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw Desc | Ima

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☐ 5. Document ID: US 6475718 B2

L14: Entry 5 of 10 File: USPT Nov 5, 2002

US-PAT-NO: 6475718
DOCUMENT-IDENTIFIER: US 6475718 B2

TITLE: Methods and compositions for modulating the interaction between the APJ receptor and the HIV virus

DATE-ISSUED: November 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Doms; Robert W.	Berwyn	PA		
Faulds; Daryl	Mill Valley	CA		
Hesselgesser; Joseph E.	San Francisco	CA		
Horuk; Richard	Belmont	CA		
Mitrovic; Branislava	Walnut Creek	CA		
Zhou; Yiqing	El Sobrante	CA		

US-CL-CURRENT: 435/5; 435/325, 435/352, 435/353, 435/354, 435/358, 435/361, 435/366, 435/372, 435/372.3, 435/4

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 6. Document ID: US 6344545 B1

L14: Entry 6 of 10 File: USPT Feb 5, 2002

US-PAT-NO: 6344545
DOCUMENT-IDENTIFIER: US 6344545 B1

TITLE: Method for preventing HIV-1 infection of CD4+ cells

DATE-ISSUED: February 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Allaway; Graham P.	Mohegan Lake	NY		
Litwin; Virginia M.	Fayetteville	NY		
Maddon; Paul J.	Elmsford	NY		
Olson; William C.	Ossining	NY		

US-CL-CURRENT: 530/388.22; 424/144.1, 530/388.75, 530/389.6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw Desc | Ima

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☐ 7. Document ID: US 6258527 B1

L14: Entry 7 of 10 File: USPT Jul 10, 2001

US-PAT-NO: 6258527
DOCUMENT-IDENTIFIER: US 6258527 B1

TITLE: Methods of identifying g-coupled receptors associated with macrophage-trophic HIV, and diagnostic and therapeutic uses thereof

DATE-ISSUED: July 10, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Littman; Dan R.	New York	NY		
Deng; Hongkui	Worcester	MA		

Ellmeier; Wilfried	New York	NY
Landau; Nathaniel R.	New York	NY
Liu; Rong	New York	NY

US-CL-CURRENT: 435/5; 435/372.3, 435/6, 435/7.2, 435/7.24

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw Desc | Ima

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☐ 8. Document ID: US 6251582 B1

L14: Entry 8 of 10 File: USPT Jun 26, 2001

US-PAT-NO: 6251582
DOCUMENT-IDENTIFIER: US 6251582 B1

TITLE: Alternative G-coupled receptors associated with retroviral entry into cells, methods of identifying the same, and diagnostic and therapeutic uses thereof

DATE-ISSUED: June 26, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Littman; Dan R.	New York	NY		
Deng; Hongkui	Shrewsbury	MA		
Unutmaz; Derya	New York	NY		
Kewalramani; Vineet N.	Rockford	IL		

US-CL-CURRENT: 435/5; 435/3, 435/4, 435/7.1, 435/7.2, 435/7.21, 435/8

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw Desc | Ima

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☐ 9. Document ID: US 6107019 A

L14: Entry 9 of 10 File: USPT Aug 22, 2000

US-PAT-NO: 6107019
DOCUMENT-IDENTIFIER: US 6107019 A

TITLE: Method for preventing HIV-1 infection of CD4.sup.+ cells

DATE-ISSUED: August 22, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Allaway; Graham P.	Mohegan Lake	NY		
Litwin; Virginia M.	Fayetteville	NY		
Maddon; Paul J.	Elmsford	NY		
Olson; William C.	Ossining	NY		

US-CL-CURRENT: 435/5; 435/7.2, 435/7.21, 435/7.24, 435/7.92, 435/7.93, 436/537, 436/542

Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw Desc | Ima

☐ 10. Document ID: US 5939538 A

L14: Entry 10 of 10 File: USPT Aug 17, 1999

US-PAT-NO: 5939538
DOCUMENT-IDENTIFIER: US 5939538 A

TITLE: Methods and compositions for inhibiting HIV infection of cells by cleaving HIV co-receptor RNA

DATE-ISSUED: August 17, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Leavitt; Markley C.	La Jolla	CA		
Tritz; Richard	San Diego	CA		
Feng; Yu	San Diego	CA		
Barber; Jack	San Diego	CA		
Yu; Mang	San Diego	CA		

US-CL-CURRENT: 536/23.1

Terms	Documents
L13 and Pseudotype	10

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NEWS 11	JAN 17	Pre-1988 INPI data added to MARPAT
NEWS 12	JAN 17	IPC 8 in the WPI family of databases including WPIFV
NEWS 13	JAN 30	Saved answer limit increased
NEWS 14	JAN 31	Monthly current-awareness alert (SDI) frequency added to TULSA
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NEWS 17	FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS 18	FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS 19	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS 20	FEB 28	MEDLINE/LMEDLINE reload improves functionality
NEWS 21	FEB 28	TOXCENTER reloaded with enhancements
NEWS 22	FEB 28	REGISTRY/ZREGISTRY enhanced with more experimental spectral property data
NEWS 23	MAR 01	INSPEC reloaded and enhanced

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=> "CKR5"
L2 51 "CKR5"

=> "macrophage tropic"
L3 1137 "MACROPHAGE TROPIC"

=> inhibitor
L4 1336883 INHIBITOR

=> HIV
L5 195644 HIV

=> L5 and L3
L6 992 L5 AND L3

=> L6 and L4
L7 97 L6 AND L4

=> L7 and L2
L8 3 L7 AND L2

=> L7 and L1
L9 3 L7 AND L1

=> CCR5
L10 7665 CCR5

=> L10 and L7
L11 42 L10 AND L7

=> D L8 IBIB ABS 1-3

L8 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:499783 CAPLUS
DOCUMENT NUMBER: 135:103329
TITLE: Methods of identifying G protein-coupled receptors associated with the uptake of macrophage-trophic **HIV**, and their use in diagnosis and treatment of AIDS
INVENTOR(S): Littman, Dan R.; Deng, Hongkui; Ellmeier, Wilfried; Landau, Nathaniel R.; Liu, Rong
PATENT ASSIGNEE(S): The Aaron Diamond Aids Research Center, USA; New York University
SOURCE: U.S., 37 pp., Cont.-in-part of U.S. Ser. No. 858,660,

abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 6258527	B1	20010710	US 1997-861105		19970521
US 2003096221	A1	20030522	US 2000-734221		20001211
PRIORITY APPLN. INFO.:			US 1996-17157P	P	19960520
			US 1996-20043P	P	19960619
			US 1997-858660	B2	19970519
			US 1997-861105	A1	19970521

AB Entry of **HIV**-1 into target cells requires cell surface CD4 as well as addnl. host cell cofactors. A cofactor required for infection with virus adapted for growth in transformed T cell lines was recently identified and named fusin. Fusin, however, does not promote entry of **macrophage-tropic** viruses that are believed to be the key pathogenic strains in vivo. It has now been determined that the principal cofactor for entry mediated by the envelope glycoproteins of primary **macrophage-tropic** strains of **HIV**-1 is CC-**CKR5**, a receptor for the β-chemokines RANTES, MIP-1α, and MIP-1β. The uptake of the virus may be blocked by ligands for the receptor or by preventing the receptor gene expression and in control of the synergism between infection by other viruses and the spread of **HIV** into other cell types. Expts. with viruses pseudotyped with different env glycoproteins showed that uptake was dependent upon the presence of chemokine receptors with different serotypes of the virus showing different receptor requirements. Methods of using chemokine receptor-deficient host cells as expression hosts to identify receptor requirements of clin. isolates of **HIV**-1 are described.

REFERENCE COUNT: 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1996:433148 CAPLUS
DOCUMENT NUMBER: 125:112550
TITLE: Cell type-specific fusion cofactors determine human immunodeficiency virus type 1 tropism for T-cell lines versus primary macrophages
AUTHOR(S): Alkhatib, Ghalib; Broder, Christopher C.; Berger, Edward A.
CORPORATE SOURCE: Lab. Viral Dis., Natl. Inst. Allergy and Infectious Dis., Bethesda, MD, 20892, USA
SOURCE: Journal of Virology (1996), 70(8), 5487-5494
CODEN: JOVIAM; ISSN: 0022-538X
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Work in this laboratory previously demonstrated that the tropism of different human immunodeficiency type 1 isolates for infection of human CD4+ continuous cell lines (e.g., T-cell lines and HeLa-CD4 transformants) vs. primary macrophages is associated with parallel intrinsic fusogenic specificities of the corresponding envelope glycoproteins (Envs). For T-cell line-tropic isolates, it is well established that the target cell must also contain a human-specific fusion cofactor(s) whose identity is unknown. In this study, we tested the hypothesis that the Env fusion specificities underlying T-cell line vs. macrophage tropism are determined by distinct cell type-specific fusion cofactors. We applied a recombinant vaccinia virus-based reporter gene assay for Env-CD4-mediated cell fusion; the LAV and Ba-L Envs served as prototypes for T-cell line-tropic and **macrophage-tropic** isolates, resp. We examined CD4+ promyelocytic and monocytic cell lines that are infectible by T-cell line-tropic isolates and become susceptible to **macrophage-tropic** strains only after treatment with differentiating agents. We observed parallel changes in fusion specificity: untreated cells supported fusion by the LAV but not the Ba-L Env, whereas cells treated with

differentiating agents acquired fusion competence for Ba-L. These results suggest that in untreated cells, the block to infection by **macrophage-tropic** isolates is at the level of membrane fusion; furthermore, the differential regulation of fusion permissiveness for the two classes of Envs is consistent with the existence of distinct fusion cofactors. To test this notion directly, we conducted expts. with transient cell hybrids formed between CD4-expressing nonhuman cells (murine NIH 3T3) and different human cell types. Hybrids formed with HeLa cells supported fusion by the LAV Env but not by the Ba-L Env, whereas hybrids formed with primary macrophages showed the opposite specificity; hybrids formed between HeLa cells and macrophages supported fusion by both Envs. These results suggest the existence of cell type-specific fusion cofactors selective for each type of Env, rather than fusion **inhibitors** for discordant Env-cell combinations. Finally, analyses based on recombinant protein expression and antibody blocking did not support the proposals by others that the CD44 or CD26 antigens are involved directly in the entry of **macrophage-tropic** isolates.

L8 ANSWER 3 OF 3 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
ACCESSION NUMBER: 1996:367088 BIOSIS
DOCUMENT NUMBER: PREV199699089444
TITLE: CC **CKR5**: A RANTES, MIP-1-alpha, MIP-1-beta receptor as a fusion cofactor for **macrophage-tropic HIV**-1.
AUTHOR(S): Alkhatib, Ghalib; Combadiere, Christophe; Broder, Christopher C.; Feng, Yu; Kennedy, Paul E.; Murphy, Philip M.; Berger, Edward A. [Reprint author]
CORPORATE SOURCE: Lab. Viral Diseases, Natl. Inst. Allergy Infectious Diseases, Natl. Inst. Health, Bethesda, MD 20892, USA
SOURCE: Science (Washington D C), (1996) Vol. 272, No. 5270, pp. 1955-1958.
CODEN: SCIEAS. ISSN: 0036-8075.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 14 Aug 1996
Last Updated on STN: 14 Aug 1996
AB Human immunodeficiency virus-type 1 (**HIV**-1) entry requires fusion cofactors on the CD4+ target cell. Fusin, a heterotrimeric GTP-binding protein (G protein)-coupled receptor, serves as a cofactor for T cell line-tropic isolates. The chemokines RANTES, MIP-1-alpha, and MIP-1-beta, which suppress infection by **macrophage-tropic** isolates, selectively inhibited cell fusion mediated by the corresponding envelope glycoproteins (Envs). Recombinant CC **CKR5**, a G protein-coupled receptor for these chemokines, rendered CD4-expressing nonhuman cells fusion-competent preferentially with macrophagetropic Envs. CC **CKR5** messenger RNA was detected selectively in cell types susceptible to **macrophage-tropic** isolates. CC **CKR5** is thus a fusion cofactor for **macrophage-tropic HIV**-1 strains.

=> D L9 IBIB ABS 1-3

L9 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:499783 CAPLUS
DOCUMENT NUMBER: 135:103329
TITLE: Methods of identifying G protein-coupled receptors associated with the uptake of macrophage-trophic **HIV**, and their use in diagnosis and treatment of AIDS
INVENTOR(S): Littman, Dan R.; Deng, Hongkui; Ellmeier, Wilfried; Landau, Nathaniel R.; Liu, Rong
PATENT ASSIGNEE(S): The Aaron Diamond Aids Research Center, USA; New York University
SOURCE: U.S., 37 pp., Cont.-in-part of U.S. Ser. No. 858,660, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 6258527	B1	20010710	US 1997-861105		19970521
US 2003096221	A1	20030522	US 2000-734221		20001211
PRIORITY APPLN. INFO.:			US 1996-17157P	P	19960520
			US 1996-20043P	P	19960619
			US 1997-858660	B2	19970519
			US 1997-861105	A1	19970521

AB Entry of **HIV**-1 into target cells requires cell surface CD4 as well as addnl. host cell cofactors. A cofactor required for infection with virus adapted for growth in transformed T cell lines was recently identified and named fusin. Fusin, however, does not promote entry of **macrophage-tropic** viruses that are believed to be the key pathogenic strains in vivo. It has now been determined that the principal cofactor for entry mediated by the envelope glycoproteins of primary **macrophage-tropic** strains of **HIV**-1 is **CC-CKR5**, a receptor for the β-chemokines RANTES, MIP-1α, and MIP-1β. The uptake of the virus may be blocked by ligands for the receptor or by preventing the receptor gene expression and in control of the synergism between infection by other viruses and the spread of **HIV** into other cell types. Expts. with viruses pseudotyped with different env glycoproteins showed that uptake was dependent upon the presence of chemokine receptors with different serotypes of the virus showing different receptor requirements. Methods of using chemokine receptor-deficient host cells as expression hosts to identify receptor requirements of clin. isolates of **HIV**-1 are described.

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L9 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1996:433148 CAPLUS
DOCUMENT NUMBER: 125:112550
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AUTHOR(S): Alkhatib, Ghalib; Broder, Christopher C.; Berger, Edward A.
CORPORATE SOURCE: Lab. Viral Dis., Natl. Inst. Allergy and Infectious Dis., Bethesda, MD, 20892, USA
SOURCE: Journal of Virology (1996), 70(8), 5487-5494
CODEN: JOVIAM; ISSN: 0022-538X
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Work in this laboratory previously demonstrated that the tropism of different human immunodeficiency type 1 isolates for infection of human CD4+ continuous cell lines (e.g., T-cell lines and HeLa-CD4 transformants) vs. primary macrophages is associated with parallel intrinsic fusogenic specificities of the corresponding envelope glycoproteins (Envs). For T-cell line-tropic isolates, it is well established that the target cell must also contain a human-specific fusion cofactor(s) whose identity is unknown. In this study, we tested the hypothesis that the Env fusion specificities underlying T-cell line vs. macrophage tropism are determined by distinct cell type-specific fusion cofactors. We applied a recombinant vaccinia virus-based reporter gene assay for Env-CD4-mediated cell fusion; the LAV and Ba-L Envs served as prototypes for T-cell line-tropic and **macrophage-tropic** isolates, resp. We examined CD4+ promyelocytic and monocytic cell lines that are infectible by T-cell line-tropic isolates and become susceptible to **macrophage-tropic** strains only after treatment with differentiating agents. We observed parallel changes in fusion specificity: untreated cells supported fusion by the LAV but not the Ba-L Env, whereas cells treated with differentiating agents acquired fusion competence for Ba-L. These results suggest that in untreated cells, the block to infection by

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L9 ANSWER 3 OF 3 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
ACCESSION NUMBER: 1996:367088 BIOSIS
DOCUMENT NUMBER: PREV199699089444
TITLE: **CC CKR5**: A RANTES, MIP-1-alpha, MIP-1-beta receptor as a fusion cofactor for **macrophage-tropic HIV**-1.
AUTHOR(S): Alkhatib, Ghalib; Combadiere, Christophe; Broder, Christopher C.; Feng, Yu; Kennedy, Paul E.; Murphy, Philip M.; Berger, Edward A. [Reprint author]
CORPORATE SOURCE: Lab. Viral Diseases, Natl. Inst. Allergy Infectious Diseases, Natl. Inst. Health, Bethesda, MD 20892, USA
SOURCE: Science (Washington D C), (1996) Vol. 272, No. 5270, pp. 1955-1958.
CODEN: SCIEAS. ISSN: 0036-8075.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 14 Aug 1996
Last Updated on STN: 14 Aug 1996
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=> D L11 IBIB TI 1-40

L11 ANSWER 1 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1234536 CAPLUS
DOCUMENT NUMBER: 144:21651
TITLE: Preferential Targeting of CD4-**CCR5** Complexes with Bifunctional **Inhibitors**: A Novel Approach to Block **HIV**-1 Infection
AUTHOR(S): Mack, Matthias; Pfirstinger, Jochen; Haas, Juergen; Nelson, Peter J.; Kufer, Peter; Riethmueller, Gert; Schloendorff, Detlef
CORPORATE SOURCE: Klinikum, University of Regensburg, Regensburg, Germany
SOURCE: Journal of Immunology (2005), 175(11), 7586-7593
CODEN: JOIMA3; ISSN: 0022-1767
PUBLISHER: American Association of Immunologists
DOCUMENT TYPE: Journal
LANGUAGE: English

TI Preferential Targeting of CD4-**CCR5** Complexes with Bifunctional **Inhibitors**: A Novel Approach to Block **HIV**-1 Infection
REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1165006 CAPLUS
DOCUMENT NUMBER: 144:112
TITLE: **HIV** chemokine receptor **inhibitors** as novel anti-**HIV** drugs
AUTHOR(S): Princen, Katrien; Schols, Dominique
CORPORATE SOURCE: Laboratory of Virology and Chemotherapy, Rega Institute for Medical Research, University of Leuven, Louvain, B-3000, Belg.
SOURCE: Cytokine & Growth Factor Reviews (2005), 16(6), 659-677
CODEN: CGFRFB; ISSN: 1359-6101
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
TI **HIV** chemokine receptor **inhibitors** as novel anti-**HIV** drugs
REFERENCE COUNT: 154 THERE ARE 154 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 3 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1078803 CAPLUS
DOCUMENT NUMBER: 143:324635
TITLE: **HIV**-1 gp120-induced TNF-α production by primary human macrophages is mediated by phosphatidylinositol-3 (PI-3) kinase and mitogen-activated protein (MAP) kinase pathways
AUTHOR(S): Lee, Chuhee; Tomkowicz, Brian; Freedman, Bruce D.; Collman, Ronald G.
CORPORATE SOURCE: Department of Medicine, University of Pennsylvania School of Medicine, Philadelphia, USA
SOURCE: Journal of Leukocyte Biology (2005), 78(4), 1016-1023
CODEN: JLBIE7; ISSN: 0741-5400
PUBLISHER: Federation of American Societies for Experimental Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
TI **HIV**-1 gp120-induced TNF-α production by primary human macrophages is mediated by phosphatidylinositol-3 (PI-3) kinase and mitogen-activated protein (MAP) kinase pathways
REFERENCE COUNT: 62 THERE ARE 62 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 4 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:17421 CAPLUS
DOCUMENT NUMBER: 142:132495
TITLE: Pathogenesis of **macrophage tropic HIV**-1
AUTHOR(S): Gorry, Paul R.; Churchill, Melissa; Crowe, Suzanne M.; Cunningham, Anthony L.; Gabuzda, Dana
CORPORATE SOURCE: Macfarlane Burnet Institute for Medical Research and Public Health, Melbourne, Australia
SOURCE: Current HIV Research (2005), 3(1), 53-60
CODEN: CHRUBF; ISSN: 1570-162X
PUBLISHER: Bentham Science Publishers Ltd.
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
TI Pathogenesis of **macrophage tropic HIV**-1
REFERENCE COUNT: 138 THERE ARE 138 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 5 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:743311 CAPLUS
DOCUMENT NUMBER: 141:253793
TITLE: Inhibition of human immunodeficiency virus type 1 replication by Z-100, an immunomodulator extracted from human-type tubercle bacilli, in macrophages
AUTHOR(S): Emori, Yutaka; Ikeda, Tamako; Ohashi, Takashi; Masuda, Takao; Kurimoto, Tadashi; Takei, Mineo; Kannagi, Mari
CORPORATE SOURCE: Department of Immunotherapeutics, Graduate School, Tokyo Medical and Dental University, Tokyo, 113-8519, Japan
SOURCE: Journal of General Virology (2004), 85(9), 2603-2613
CODEN: JGVIAY; ISSN: 0022-1317
PUBLISHER: Society for General Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English
TI Inhibition of human immunodeficiency virus type 1 replication by Z-100, an immunomodulator extracted from human-type tubercle bacilli, in macrophages
REFERENCE COUNT: 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 6 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:517115 CAPLUS
DOCUMENT NUMBER: 141:122212
TITLE: Biological analysis of human immunodeficiency virus type 1 R5 envelopes amplified from brain and lymph node tissues of AIDS patients with neuropathology reveals two distinct tropism phenotypes and identifies envelopes in the brain that confer an enhanced tropism and fusigenicity for macrophages
AUTHOR(S): Peters, Paul J.; Bhattacharya, Jayanta; Hibbitts, Samantha; Dittmar, Matthias T.; Simmons, Graham; Bell, Jeanne; Simmonds, Peter; Clapham, Paul R.
CORPORATE SOURCE: Program in Molecular Medicine and Department of Molecular Genetics and Microbiology, University of Massachusetts Medical School, Worcester, MA, 01605, USA
SOURCE: Journal of Virology (2004), 78(13), 6915-6926
CODEN: JOVIAM; ISSN: 0022-538X
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English
TI Biological analysis of human immunodeficiency virus type 1 R5 envelopes amplified from brain and lymph node tissues of AIDS patients with neuropathology reveals two distinct tropism phenotypes and identifies envelopes in the brain that confer an enhanced tropism and fusigenicity for macrophages
REFERENCE COUNT: 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 7 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:375260 CAPLUS
DOCUMENT NUMBER: 140:385380
TITLE: **HIV** co-receptors as targets for antiviral therapy
AUTHOR(S): Schols, Dominique
CORPORATE SOURCE: Rega Institute for Medical Research, Katholieke Universiteit Leuven, Louvain, B-3000, Belg.
SOURCE: Current Topics in Medicinal Chemistry (Sharjah, United Arab Emirates) (2004), 4(9), 883-893
CODEN: CTMCCL; ISSN: 1568-0266
PUBLISHER: Bentham Science Publishers Ltd.
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
TI **HIV** co-receptors as targets for antiviral therapy
REFERENCE COUNT: 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 8 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:543762 CAPLUS

DOCUMENT NUMBER: 139:99536
TITLE: Chemokine receptors: their roles in the pathogenesis of human immunodeficiency virus (**HIV**) and resistance to **HIV** infection
AUTHOR(S): Us, Durdal
CORPORATE SOURCE: Tip Fakultesi, Mikrobiyoloji ve Klinik Mikrobiyoloji Anabilim Dali, Hacettepe Universitesi, Ankara, Turk.
SOURCE: Mikrobiyoloji Bulteni (2003), 37(1), 75-87
CODEN: MIBUBI; ISSN: 0374-9096
PUBLISHER: Ankara Mikrobiyoloji Dernegi
DOCUMENT TYPE: Journal; General Review
LANGUAGE: Turkish
TI Chemokine receptors: their roles in the pathogenesis of human immunodeficiency virus (**HIV**) and resistance to **HIV** infection

L11 ANSWER 9 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:891153 CAPLUS
DOCUMENT NUMBER: 137:362581
TITLE: Impact of NNRTI compared to PI-based highly active antiretroviral therapy on **CCR5** receptor expression, β-chemokines and IL-16 secretion in **HIV**-1 infection
AUTHOR(S): Burton, C. T.; Hardy, G. A. D.; Sullivan, A. K.; Nelson, M. R.; Gazzard, B.; Gotch, F. M.; Imami, N.
CORPORATE SOURCE: Department of Immunology, Imperial College of Science, Technology and Medicine, London, UK
SOURCE: Clinical and Experimental Immunology (2002), 130(2), 286-292
CODEN: CEXIAL; ISSN: 0009-9104
PUBLISHER: Blackwell Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
TI Impact of NNRTI compared to PI-based highly active antiretroviral therapy on **CCR5** receptor expression, β-chemokines and IL-16 secretion in **HIV**-1 infection
REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 10 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:651636 CAPLUS
DOCUMENT NUMBER: 137:215552
TITLE: **CCR5** and CXCR4 expression after highly active antiretroviral therapy (HAART)
AUTHOR(S): Smith, Kimberly Y.; Kumar, Sampath; Pulvirenti, Joseph J.; Gianesin, Mary Ann; Kessler, Harold A.; Landay, Alan
CORPORATE SOURCE: Rush Presbyterian St. Lukes' Medical Center, Chicago, IL, USA
SOURCE: JAIDS, Journal of Acquired Immune Deficiency Syndromes (2002), 30(4), 458-460
CODEN: JJASFJ
PUBLISHER: Lippincott Williams & Wilkins
DOCUMENT TYPE: Journal
LANGUAGE: English
TI **CCR5** and CXCR4 expression after highly active antiretroviral therapy (HAART)
REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 11 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:799319 CAPLUS
DOCUMENT NUMBER: 136:144573
TITLE: A simple screening system for anti-**HIV** drugs: syncytium formation assay using T-cell line tropic and **macrophage tropic** **HIV** env expressing cell lines-establishment and validation
AUTHOR(S): Chiba, Harumi; Asanuma, Satoshi; Okamoto, Megumi;

Inokoshi, Junji; Tanaka, Haruo; Fujita, Kazunobu; Omura, Satoshi
CORPORATE SOURCE: School of Pharmaceutical Sciences, Kitasato University, Tokyo, 108-8641, Japan
SOURCE: Journal of Antibiotics (2001), 54(10), 818-826
CODEN: JANTAJ; ISSN: 0021-8820
PUBLISHER: Japan Antibiotics Research Association
DOCUMENT TYPE: Journal
LANGUAGE: English
TI A simple screening system for anti-**HIV** drugs: syncytium formation assay using T-cell line tropic and **macrophage tropic HIV** env expressing cell lines-establishment and validation
REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 12 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:790088 CAPLUS
DOCUMENT NUMBER: 136:95451
TITLE: Inhibition of **HIV** infection by CXCR4 and **CCR5** chemokine receptor antagonists
AUTHOR(S): De Clercq, Erik; Schols, Dominique
CORPORATE SOURCE: Rega Institute for Medical Research, Katholieke Universiteit Leuven, Louvain, Belg.
SOURCE: Antiviral Chemistry & Chemotherapy (2001), 12(Suppl. 1), 19-31
CODEN: ACCHEH; ISSN: 0956-3202
PUBLISHER: International Medical Press
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
TI Inhibition of **HIV** infection by CXCR4 and **CCR5** chemokine receptor antagonists
REFERENCE COUNT: 101 THERE ARE 101 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 13 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:783645 CAPLUS
DOCUMENT NUMBER: 136:68559
TITLE: Human mast cell progenitors can be infected by macrophagetropic human immunodeficiency virus type 1 and retain virus with maturation in vitro
AUTHOR(S): Bannert, Norbert; Farzan, Michael; Friend, Daniel S.; Ochi, Hiroshi; Price, Kursteen S.; Sodroski, Joseph; Boyce, Joshua A.
CORPORATE SOURCE: Department of Cancer Immunology and AIDS, Departments of Pathology, Dana-Farber Cancer Institute, Harvard Medical School, Boston, MA, USA
SOURCE: Journal of Virology (2001), 75(22), 10808-10814
CODEN: JOVIAM; ISSN: 0022-538X
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English
TI Human mast cell progenitors can be infected by macrophagetropic human immunodeficiency virus type 1 and retain virus with maturation in vitro
REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 14 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:695180 CAPLUS
DOCUMENT NUMBER: 135:370508
TITLE: Synergistic induction of apoptosis in primary CD4+ T cells by **macrophage-tropic HIV**-1 and TGF-β1
AUTHOR(S): Wang, Jinhai; Guan, Ennan; Roderiquez, Gregory; Norcross, Michael A.
CORPORATE SOURCE: Laboratory of Gene Regulation, Division of Therapeutic Proteins, Center for Biologics Evaluation and Research, Food and Drug Administration, National

Institutes of Health, Bethesda, MD, 20892, USA
SOURCE: Journal of Immunology (2001), 167(6), 3360-3366
CODEN: JOIMA3; ISSN: 0022-1767
PUBLISHER: American Association of Immunologists
DOCUMENT TYPE: Journal
LANGUAGE: English
TI Synergistic induction of apoptosis in primary CD4+ T cells by **macrophage-tropic HIV**-1 and TGF-β1
REFERENCE COUNT: 71 THERE ARE 71 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 15 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:694727 CAPLUS
DOCUMENT NUMBER: 136:31320
TITLE: Novel low molecular weight spirodiketopiperazine derivatives potently inhibit R5 **HIV**-1 infection through their antagonistic effects on **CCR5**
AUTHOR(S): Maeda, Kenji; Yoshimura, Kazuhisa; Shibayama, Shiro; Habashita, Hiromu; Tada, Hideaki; Sagawa, Kenji; Miyakawa, Toshikazu; Aoki, Manabu; Fukushima, Daikichi; Mitsuya, Hiroaki
CORPORATE SOURCE: Department of Internal Medicine II, Kumamoto University School of Medicine, Kumamoto, 860-0811, Japan
SOURCE: Journal of Biological Chemistry (2001), 276(37), 35194-35200
CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER: American Society for Biochemistry and Molecular Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
TI Novel low molecular weight spirodiketopiperazine derivatives potently inhibit R5 **HIV**-1 infection through their antagonistic effects on **CCR5**
REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 16 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:499783 CAPLUS
DOCUMENT NUMBER: 135:103329
TITLE: Methods of identifying G protein-coupled receptors associated with the uptake of macrophage-trophic **HIV**, and their use in diagnosis and treatment of AIDS
INVENTOR(S): Littman, Dan R.; Deng, Hongkui; Ellmeier, Wilfried; Landau, Nathaniel R.; Liu, Rong
PATENT ASSIGNEE(S): The Aaron Diamond Aids Research Center, USA; New York University
SOURCE: U.S., 37 pp., Cont.-in-part of U.S. Ser. No. 858,660, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 6258527	B1	20010710	US 1997-861105		19970521
US 2003096221	A1	20030522	US 2000-734221		20001211
PRIORITY APPLN. INFO.:			US 1996-17157P	P	19960520
			US 1996-20043P	P	19960619
			US 1997-858660	B2	19970519
			US 1997-861105	A1	19970521

TI Methods of identifying G protein-coupled receptors associated with the uptake of macrophage-trophic **HIV**, and their use in diagnosis and treatment of AIDS
REFERENCE COUNT: 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 17 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:297776 CAPLUS
DOCUMENT NUMBER: 135:45032
TITLE: The LD78β isoform of MIP-1α is the most potent CC-chemokine in inhibiting **CCR5** -dependent human immunodeficiency virus type 1 replication in human macrophages
AUTHOR(S): Aquaro, Stefano; Menten, Patricia; Struyf, Sofie; Proost, Paul; Van Damme, Jo; De Clercq, Erik; Schols, Dominique
CORPORATE SOURCE: Laboratory of Experimental Chemotherapy, Department of Microbiology and Immunology, Rega Institute for Medical Research, Katholieke Universiteit Leuven, Louvain, Belg.
SOURCE: Journal of Virology (2001), 75(9), 4402-4406
CODEN: JOVIAM; ISSN: 0022-538X
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English
TI The LD78β isoform of MIP-1α is the most potent CC-chemokine in inhibiting **CCR5**-dependent human immunodeficiency virus type 1 replication in human macrophages
REFERENCE COUNT: 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 18 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:64567 CAPLUS
DOCUMENT NUMBER: 134:260925
TITLE: Rapid and simple phenotypic assay for drug susceptibility of human immunodeficiency virus type 1 using **CCR5**-expressing HeLa/CD4+ cell clone 1-10 (MAGIC-5)
AUTHOR(S): Hachiya, Atsuko; Aizawa-Matsuoka, Saori; Tanaka, Mari; Takahashi, Yukiko; Ida, Setsuko; Gatanaga, Hiroyuki; Hirabayashi, Yoshihiro; Kojima, Asato; Tatsumi, Masashi; Oka, Shinichi
CORPORATE SOURCE: National Institute of Infectious Diseases, International Medical Center of Japan, Tokyo, Japan
SOURCE: Antimicrobial Agents and Chemotherapy (2001), 45(2), 495-501
CODEN: AMACCQ; ISSN: 0066-4804
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English
TI Rapid and simple phenotypic assay for drug susceptibility of human immunodeficiency virus type 1 using **CCR5**-expressing HeLa/CD4+ cell clone 1-10 (MAGIC-5)
REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 19 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:627558 CAPLUS
DOCUMENT NUMBER: 133:295141
TITLE: Cleavage by CD26/dipeptidyl peptidase IV converts the chemokine LD78β into a most efficient monocyte attractant and CCR1 agonist
AUTHOR(S): Proost, Paul; Menten, Patricia; Struyf, Sofie; Schutyser, Evemie; De Meester, Ingrid; Van Damme, Jo
CORPORATE SOURCE: Laboratory of Molecular Immunology, Rega Institute for Medical Research, University of Leuven, Louvain, B-3000, Belg.
SOURCE: Blood (2000), 96(5), 1674-1680
CODEN: BLOOAW; ISSN: 0006-4971
PUBLISHER: American Society of Hematology
DOCUMENT TYPE: Journal
LANGUAGE: English
TI Cleavage by CD26/dipeptidyl peptidase IV converts the chemokine LD78β

into a most efficient monocyte attractant and CCR1 agonist
REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 20 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:412535 CAPLUS
DOCUMENT NUMBER: 133:129555
TITLE: Oral N-acetyl-cysteine increases the production of anti-**HIV** chemokines in peripheral blood mononuclear cells
AUTHOR(S): Cavallini, Lucia; Alexandre, Adolfo
CORPORATE SOURCE: Department of Biological Chemistry, C.N.R. Centro di Studio delle Biomembrane, University of Padova, Padua, Italy
SOURCE: Life Sciences (2000), 67(2), 147-154
CODEN: LIFSAK; ISSN: 0024-3205
PUBLISHER: Elsevier Science Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
TI Oral N-acetyl-cysteine increases the production of anti-**HIV** chemokines in peripheral blood mononuclear cells
REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 21 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:39264 CAPLUS
DOCUMENT NUMBER: 132:317484
TITLE: The emerging role of fusion **inhibitors** in **HIV** infection
AUTHOR(S): De Clercq, Erik
CORPORATE SOURCE: Rega Institute for Medical Research, Katholieke Universiteit Leuven, Louvain, Belg.
SOURCE: Drugs in R&D (1999), 2(5), 321-331
CODEN: DRDDFD; ISSN: 1174-5886
PUBLISHER: Adis International Ltd.
DOCUMENT TYPE: Journal; General Review
LANGUAGE: English
TI The emerging role of fusion **inhibitors** in **HIV** infection
REFERENCE COUNT: 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 22 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:712256 CAPLUS
DOCUMENT NUMBER: 132:221212
TITLE: Antiviral chemokines: intracellular life of recombinant C-C chemokine RANTES
AUTHOR(S): Owais, Mohammad; Arya, Suresh K.
CORPORATE SOURCE: Basic Research Laboratory, National Cancer Institute, National Institutes of Health, Bethesda, MD, 20892, USA
SOURCE: Journal of Human Virology (1999), 2(5), 270-282
CODEN: JHVIFC; ISSN: 1090-9508
PUBLISHER: Lippincott Williams & Wilkins
DOCUMENT TYPE: Journal
LANGUAGE: English
TI Antiviral chemokines: intracellular life of recombinant C-C chemokine RANTES
REFERENCE COUNT: 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 23 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:598858 CAPLUS
DOCUMENT NUMBER: 131:320942
TITLE: Lymphotropic virions affect chemokine receptor-mediated neural signaling and apoptosis: implications for human immunodeficiency virus type 1-associated dementia
AUTHOR(S): Zheng, Jialin; Ghorpade, Anuja; Niemann, Douglas;

Cotter, Robin L.; Thylin, Michael R.; Epstein, Leon; Swartz, Jennifer M.; Shepard, Robin B.; Liu, Xiaojuan; Nukuna, Adeline; Gendelman, Howard E.
CORPORATE SOURCE: Center for Neurovirology and Neurodegenerative Disorders, Departments of Pathology and Microbiology, University of Nebraska Medical Center, Omaha, NE, 68198-5215, USA
SOURCE: Journal of Virology (1999), 73(10), 8256-8267
CODEN: JOVIAM; ISSN: 0022-538X
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English
TI Lymphotropic virions affect chemokine receptor-mediated neural signaling and apoptosis: implications for human immunodeficiency virus type 1-associated dementia
REFERENCE COUNT: 74 THERE ARE 74 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 24 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:536212 CAPLUS
DOCUMENT NUMBER: 131:285248
TITLE: Role of CXCR4 in cell-cell fusion and infection of monocyte-derived macrophages by primary human immunodeficiency virus type 1 (**HIV**-1) strains: two distinct mechanisms of **HIV**-1 dual tropism
AUTHOR(S): Yi, Yanjie; Isaacs, Stuart N.; Williams, Darlisha A.; Frank, Ian; Schols, Dominique; De Clercq, Erik; Kolson, Dennis L.; Collman, Ronald G.
CORPORATE SOURCE: Divisions of Pulmonary and Critical Care, University of Pennsylvania School of Medicine, Philadelphia, PA, 19104-6060, USA
SOURCE: Journal of Virology (1999), 73(9), 7117-7125
CODEN: JOVIAM; ISSN: 0022-538X
PUBLISHER: American Society for Microbiology
DOCUMENT TYPE: Journal
LANGUAGE: English
TI Role of CXCR4 in cell-cell fusion and infection of monocyte-derived macrophages by primary human immunodeficiency virus type 1 (**HIV**-1) strains: two distinct mechanisms of **HIV**-1 dual tropism
REFERENCE COUNT: 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 25 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1999:107831 CAPLUS
DOCUMENT NUMBER: 130:280739
TITLE: Extracellular **HIV**-1 Tat protein up-regulates the expression of surface CXC-chemokine receptor 4 in resting CD4+ T cells
AUTHOR(S): Secchiero, Paola; Zella, Davide; Capitani, Silvano; Gallo, Robert C.; Zauli, Giorgio
CORPORATE SOURCE: Institute of Human Virology, University of Maryland Biotechnology Institute, Baltimore, MD, 21201, USA
SOURCE: Journal of Immunology (1999), 162(4), 2427-2431
CODEN: JOIMA3; ISSN: 0022-1767
PUBLISHER: American Association of Immunologists
DOCUMENT TYPE: Journal
LANGUAGE: English
TI Extracellular **HIV**-1 Tat protein up-regulates the expression of surface CXC-chemokine receptor 4 in resting CD4+ T cells
REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 26 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1998:231440 CAPLUS
DOCUMENT NUMBER: 129:40013
TITLE: Natural truncation of RANTES abolishes signaling through the CC chemokine receptors CCR1 and CCR3, impairs its chemotactic potency and generates a CC

chemokine **inhibitor**
AUTHOR(S): Struyf, Sofie; De Meester, Ingrid; Scharpe, Simon; Lenaerts, Jean Pierre; Menten, Patricia; Wang, Ji Ming; Proost, Paul; Van Damme, Jo
CORPORATE SOURCE: Rega Institute Medical Research, Laboratory Molecular Immunology, University Leuven, Louvain, B-3000, Belg.
SOURCE: European Journal of Immunology (1998), 28(4), 1262-1271
CODEN: EJIMAF; ISSN: 0014-2980
PUBLISHER: Wiley-VCH Verlag GmbH
DOCUMENT TYPE: Journal
LANGUAGE: English
TI Natural truncation of RANTES abolishes signaling through the CC chemokine receptors CCR1 and CCR3, impairs its chemotactic potency and generates a CC chemokine **inhibitor**

L11 ANSWER 27 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1997:307135 CAPLUS
DOCUMENT NUMBER: 127:16407
TITLE: **CCR5** levels and expression pattern correlate with infectability by **macrophage-tropic HIV**-1, in vitro
AUTHOR(S): Wu, Lijun; Paxton, William A.; Kassam, Nasim; Ruffing, Nancy; Rottman, James B.; Sullivan, Nancy; Choe, Hyeryun; Sodroski, Joseph; Newman, Walter; et al.
CORPORATE SOURCE: Leuko Site, Inc., Cambridge, MA, 02142, USA
SOURCE: Journal of Experimental Medicine (1997), 185(9), 1681-1691
CODEN: JEMEAV; ISSN: 0022-1007
PUBLISHER: Rockefeller University Press
DOCUMENT TYPE: Journal
LANGUAGE: English
TI **CCR5** levels and expression pattern correlate with infectability by **macrophage-tropic HIV**-1, in vitro
REFERENCE COUNT: 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 28 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
ACCESSION NUMBER: 2006:104871 BIOSIS
DOCUMENT NUMBER: PREV200600106717
TITLE: Preferential targeting of CD4-**CCR5** complexes with bifunctional **inhibitors**: A novel approach to block **HIV**-1 infection.
AUTHOR(S): Mack, Matthias [Reprint Author]; Pfirstinger, Jochen; Haas, Juergen; Nelson, Peter J.; Kufer, Peter; Riethmueller, Gert; Schloendorff, Detlef
CORPORATE SOURCE: Univ Regensburg, Dept Internal Med, Klinikum, D-93042 Regensburg, Germany
matthias.mack@klinik.uni-regensburg.de
SOURCE: Journal of Immunology, (DEC 1 2005) Vol. 175, No. 11, pp. 7586-7593.
CODEN: JOIMA3. ISSN: 0022-1767.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 8 Feb 2006
Last Updated on STN: 8 Feb 2006
TI Preferential targeting of CD4-**CCR5** complexes with bifunctional **inhibitors**: A novel approach to block **HIV**-1 infection.

L11 ANSWER 29 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
ACCESSION NUMBER: 2006:62459 BIOSIS
DOCUMENT NUMBER: PREV200600050043
TITLE: **HIV** chemokine receptor **inhibitors** as novel anti-**HIV** drugs.
AUTHOR(S): Princen, Katrien; Schols, Dominique [Reprint Author]
CORPORATE SOURCE: Katholieke Univ Leuven, Rega Inst Med Res, Lab Virol and Chemotherapy, Minderbroedersstr 10, B-3000 Louvain, Belgium

katrien.princen@rega.kuleuven.ac.be;
dominique.schols@rega.kuleuven.ac.be
SOURCE: Cytokine & Growth Factor Reviews, (DEC 2005) Vol. 16, No. 6, pp. 659-677.
ISSN: 1359-6101.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 4 Jan 2006
Last Updated on STN: 4 Jan 2006
TI **HIV** chemokine receptor **inhibitors** as novel anti-**HIV** drugs.

L11 ANSWER 30 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
ACCESSION NUMBER: 2006:8569 BIOSIS
DOCUMENT NUMBER: PREV200600008066
TITLE: **HIV**-1 gp120-induced TNF-alpha production by primary human macrophages is mediated by phosphatidylinositol-3 (PI-3) kinase and mitogen-activated protein (MAP) kinase pathways.
AUTHOR(S): Lee, Chuhee; Tomkowicz, Brian; Freedman, Bruce D.; Collman, Ronald G. [Reprint Author]
CORPORATE SOURCE: Univ Penn, Sch Med, Dept Med, 522 Johnson Pavil,36th and Hamilton Walk, Philadelphia, PA 19104 USA
collmanr@mail.med.upenn.edu
SOURCE: Journal of Leukocyte Biology, (OCT 2005) Vol. 78, No. 4, pp. 1016-1023.
CODEN: JLBIE7. ISSN: 0741-5400.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 14 Dec 2005
Last Updated on STN: 14 Dec 2005
TI **HIV**-1 gp120-induced TNF-alpha production by primary human macrophages is mediated by phosphatidylinositol-3 (PI-3) kinase and mitogen-activated protein (MAP) kinase pathways.

L11 ANSWER 31 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
ACCESSION NUMBER: 2004:441397 BIOSIS
DOCUMENT NUMBER: PREV200400446372
TITLE: Inhibition of human immunodeficiency virus type 1 replication by Z-100, an immunomodulator extracted from human-type tubercle bacilli, in macrophages.
AUTHOR(S): Emori, Yutaka; Ikeda, Tamako; Ohashi, Takashi; Masuda, Takao; Kurimoto, Tadashi; Takei, Mineo; Kannagi, Mari [Reprint Author]
CORPORATE SOURCE: Grad SchDept ImmunotherapeutBunkyo Ku, Tokyo Med and Dent Univ, 1-5-45 Yushima, Tokyo, 1138519, Japan
kann.impt@tmd.ac.jp
SOURCE: Journal of General Virology, (September 2004) Vol. 85, No. Part 9, pp. 2603-2613. print.
ISSN: 0022-1317 (ISSN print).
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 17 Nov 2004
Last Updated on STN: 17 Nov 2004
TI Inhibition of human immunodeficiency virus type 1 replication by Z-100, an immunomodulator extracted from human-type tubercle bacilli, in macrophages.

L11 ANSWER 32 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
ACCESSION NUMBER: 2003:333188 BIOSIS
DOCUMENT NUMBER: PREV200300333188
TITLE: Chemokine receptors: Their roles in the pathogenesis of human immunodeficiency virus (**HIV**) and resistance to **HIV** infection.
Original Title: Kemokin reseptorleri: Insan immun yetmezlik virusu (**HIV**) patogenezinde ve **HIV**

enfeksiyonuna direncteki rolleri..
AUTHOR(S): Us, Durdal [Reprint Author]
CORPORATE SOURCE: Tip Fakultesi, Mikrobiyoloji ve Klinik Mikrobiyoloji Anabilim Dali, Hacettepe Universitesi, Ankara, Turkey
SOURCE: Mikrobiyoloji Bulteni, (January 2003) Vol. 37, No. 1, pp. 75-87. print.
ISSN: 0374-9096 (ISSN print).
DOCUMENT TYPE: Article
General Review; (Literature Review)
LANGUAGE: Turkish
ENTRY DATE: Entered STN: 16 Jul 2003
Last Updated on STN: 16 Jul 2003
TI Chemokine receptors: Their roles in the pathogenesis of human immunodeficiency virus (**HIV**) and resistance to **HIV** infection.
Original Title: Kemokin reseptorleri: Insan immun yetmezlik virusu (**HIV**) patogenezinde ve **HIV** enfeksiyonuna direncteki rolleri..

L11 ANSWER 33 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
ACCESSION NUMBER: 2002:631541 BIOSIS
DOCUMENT NUMBER: PREV200200631541
TITLE: Impact of NNRTI compared to PI-based highly active antiretroviral therapy on **CCR5** receptor expression, beta-chemokines and IL-16 secretion in **HIV**-1 infection.
AUTHOR(S): Burton, C. T.; Hardy, G. A. D.; Sullivan, A. K.; Nelson, M. R.; Gazzard, B.; Gotch, F. M.; Imami, N. [Reprint author]
CORPORATE SOURCE: Department of Immunology, Imperial College of Science, Technology and Medicine, Chelsea and Westminster Hospital, 369 Fulham Road, London, SW10 9NH, UK
n.imami@ic.ac.uk
SOURCE: Clinical and Experimental Immunology, (November, 2002) Vol. 130, No. 2, pp. 286-292. print.
CODEN: CEXIAL. ISSN: 0009-9104.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 12 Dec 2002
Last Updated on STN: 12 Dec 2002
TI Impact of NNRTI compared to PI-based highly active antiretroviral therapy on **CCR5** receptor expression, beta-chemokines and IL-16 secretion in **HIV**-1 infection.

L11 ANSWER 34 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
ACCESSION NUMBER: 2002:133834 BIOSIS
DOCUMENT NUMBER: PREV200200133834
TITLE: A simple screening system for anti-**HIV** drugs: Syncytium formation assay using T-cell line tropic and **macrophage tropic HIV** env expressing cell lines: Establishment and validation.
AUTHOR(S): Chiba, Harumi; Asanuma, Satoshi; Okamoto, Megumi; Inokoshi, Junji; Tanaka, Haruo [Reprint author]; Fujita, Kazunobu; Omura, Satoshi
CORPORATE SOURCE: School of Pharmaceutical Sciences, Kitasato University, Shirokane, Minato-ku, Tokyo, 108-8641, Japan
tanakah@pharm.kitasato-u.ac.jp
SOURCE: Journal of Antibiotics (Tokyo), (October, 2001) Vol. 54, No. 10, pp. 818-826. print.
CODEN: JANTAJ. ISSN: 0021-8820.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 6 Feb 2002
Last Updated on STN: 26 Feb 2002
TI A simple screening system for anti-**HIV** drugs: Syncytium formation assay using T-cell line tropic and **macrophage tropic HIV** env expressing cell lines: Establishment and validation.

L11 ANSWER 35 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
ACCESSION NUMBER: 2001:500357 BIOSIS
DOCUMENT NUMBER: PREV200100500357
TITLE: Inhibition of **HIV** infection by CXCR4 and **CCR5** chemokine receptor antagonists.
AUTHOR(S): De Clercq, Erik [Reprint author]; Schols, Dominique
CORPORATE SOURCE: Rega Institute for Medical Research, Katholieke Universiteit Leuven, Leuven, Belgium erik.declercq@rega.kuleuven.ac.be
SOURCE: Antiviral Chemistry and Chemotherapy, (2001) Vol. 12, No. Supplement 1, pp. 19-31. print. CODEN: ACCHEH. ISSN: 0956-3202.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 24 Oct 2001 Last Updated on STN: 23 Feb 2002
TI Inhibition of **HIV** infection by CXCR4 and **CCR5** chemokine receptor antagonists.

L11 ANSWER 36 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
ACCESSION NUMBER: 2001:479439 BIOSIS
DOCUMENT NUMBER: PREV200100479439
TITLE: Novel low molecular weight spirodiketopiperazine derivatives potently inhibit R5 **HIV**-1 infection through their antagonistic effects on **CCR5**.
AUTHOR(S): Maeda, Kenji; Yoshimura, Kazuhisa; Shibayama, Shiro; Habashita, Hiromu; Tada, Hideaki; Sagawa, Kenji; Miyakawa, Toshikazu; Aoki, Manabu; Fukushima, Daikichi; Mitsuya, Hiroaki [Reprint author]
CORPORATE SOURCE: Dept. of Internal Medicine II, Kumamoto University School of Medicine, 1-1-1 Honjo, Kumamoto, 860-0811, Japan hmitsuya@helix.nih.gov
SOURCE: Journal of Biological Chemistry, (September 14, 2001) Vol. 276, No. 37, pp. 35194-35200. print. CODEN: JBCHA3. ISSN: 0021-9258.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 10 Oct 2001 Last Updated on STN: 23 Feb 2002
TI Novel low molecular weight spirodiketopiperazine derivatives potently inhibit R5 **HIV**-1 infection through their antagonistic effects on **CCR5**.

L11 ANSWER 37 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
ACCESSION NUMBER: 2001:96552 BIOSIS
DOCUMENT NUMBER: PREV200100096552
TITLE: Rapid and simple phenotypic assay for drug susceptibility of human immunodeficiency virus type 1 using **CCR5** -expressing HeLa/CD4+ cell clone 1-10 (MAGIC-5).
AUTHOR(S): Hachiya, Atsuko; Aizawa-Matsuoka, Saori; Tanaka, Mari; Takahashi, Yukiko; Ida, Setsuko; Gatanaga, Hiroyuki; Hirabayashi, Yoshihiro; Kojima, Asato; Tatsumi, Masashi; Oka, Shinichi [Reprint author]
CORPORATE SOURCE: AIDS Clinical Center, International Medical Center of Japan, 1-21-1, Toyama, Shinjuku-ku, Tokyo, 162-8655, Japan oka@imcj.hosp.go.jp
SOURCE: Antimicrobial Agents and Chemotherapy, (February, 2001) Vol. 45, No. 2, pp. 495-501. print. CODEN: AMACCQ. ISSN: 0066-4804.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 21 Feb 2001 Last Updated on STN: 15 Feb 2002
TI Rapid and simple phenotypic assay for drug susceptibility of human immunodeficiency virus type 1 using **CCR5**-expressing HeLa/CD4+

cell clone 1-10 (MAGIC-5).

L11 ANSWER 38 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
ACCESSION NUMBER: 2000:453842 BIOSIS
DOCUMENT NUMBER: PREV200000453842
TITLE: Cleavage by CD26/dipeptidyl peptidase IV converts the chemokine LD78beta into a most efficient monocyte attractant and CCR1 agonist.
AUTHOR(S): Proost, Paul [Reprint author]; Menten, Patricia; Struyf, Sofie; Schutyser, Evemie; De Meester, Ingrid; Van Damme, Jo
CORPORATE SOURCE: Laboratory of Molecular Immunology, Rega Institute for Medical Research, University of Leuven, Minderbroedersstraat 10, B-3000, Leuven, Belgium
SOURCE: Blood, (September 1, 2000) Vol. 96, No. 5, pp. 1674-1680. print.
CODEN: BLOOAW. ISSN: 0006-4971.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 25 Oct 2000
Last Updated on STN: 10 Jan 2002
TI Cleavage by CD26/dipeptidyl peptidase IV converts the chemokine LD78beta into a most efficient monocyte attractant and CCR1 agonist.

L11 ANSWER 39 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
ACCESSION NUMBER: 2000:304938 BIOSIS
DOCUMENT NUMBER: PREV200000304938
TITLE: Oral N-acetyl-cysteome increases the production of anti **HIV** chemokines in peripheral blood mononuclear cells.
AUTHOR(S): Cavallini, Lucia; Alexandre, Adolfo [Reprint author]
CORPORATE SOURCE: Dipartimento di Chimica Biologica, University of Padova, Via G. Colombo 3, 35121, Padova, Italy
SOURCE: Life Sciences, (June 2, 2000) Vol. 67, No. 2, pp. 147-154. print.
CODEN: LIFSAK. ISSN: 0024-3205.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 19 Jul 2000
Last Updated on STN: 7 Jan 2002
TI Oral N-acetyl-cysteome increases the production of anti **HIV** chemokines in peripheral blood mononuclear cells.

L11 ANSWER 40 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
ACCESSION NUMBER: 1999:470631 BIOSIS
DOCUMENT NUMBER: PREV199900470631
TITLE: Lymphotropic virions affect chemokine receptor-mediated neural signaling and apoptosis: Implications for human immunodeficiency virus type 1-associated dementia.
AUTHOR(S): Zheng, Jialin; Ghorpade, Anuja; Niemann, Douglas; Cotter, Robin L.; Thylin, Michael R.; Epstein, Leon; Swartz, Jennifer M.; Shepard, Robin B.; Liu, Xiaojuan; Nukuna, Adeline; Gendelman, Howard E. [Reprint author]
CORPORATE SOURCE: Center for Neurovirology and Neurodegenerative Disorders, 985215 Nebraska Medical Center, Omaha, NB, 68198-5215, USA
SOURCE: Journal of Virology, (Oct., 1999) Vol. 73, No. 10, pp. 8256-8267. print.
CODEN: JOVIAM. ISSN: 0022-538X.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 9 Nov 1999
Last Updated on STN: 9 Nov 1999
TI Lymphotropic virions affect chemokine receptor-mediated neural signaling and apoptosis: Implications for human immunodeficiency virus type 1-associated dementia.

=> D L11 IBIB TI 41-42

L11 ANSWER 41 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
ACCESSION NUMBER: 1999:400208 BIOSIS
DOCUMENT NUMBER: PREV199900400208
TITLE: Role of CXCR4 in cell-cell fusion and infection of monocyte-derived macrophages by primary human immunodeficiency virus type 1 (**HIV**-1) strains: Two distinct mechanisms of **HIV**-1 dual tropism.
AUTHOR(S): Yi, Yanjie; Isaacs, Stuart N.; Williams, Darlisha A.; Frank, Ian; Schols, Dominique; De Clercq, Erik; Kolson, Dennis L.; Collman, Ronald G. [Reprint author]
CORPORATE SOURCE: University of Pennsylvania School of Medicine, 36th and Hamilton Walk, 522 Johnson Pavilion, Philadelphia, PA, 19104-6060, USA
SOURCE: Journal of Virology, (Sept., 1999) Vol. 73, No. 9, pp. 7117-7125. print.
CODEN: JOVIAM. ISSN: 0022-538X.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 8 Oct 1999
Last Updated on STN: 8 Oct 1999
TI Role of CXCR4 in cell-cell fusion and infection of monocyte-derived macrophages by primary human immunodeficiency virus type 1 (**HIV**-1) strains: Two distinct mechanisms of **HIV**-1 dual tropism.

L11 ANSWER 42 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
ACCESSION NUMBER: 1997:274517 BIOSIS
DOCUMENT NUMBER: PREV199799566235
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